

REMARKS

Summary of the Office Action

1. Claims 1, 6, 16 and 26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Samuels (U.S. Patent No. 5,270,821) in view of Carroll, et al. (U.S. Patent No. 6,121,960) and Ike (U.S. Patent No. 5,153,756).

Summary of the Response

1. Claims 1 and 16 have been amended.
2. Claims 28-35 are new.
3. Now pending are claims 1, 6, 16, 26, and 28-35.

Rejections Under 35 U.S.C. §103(a)

The claims pending in this application stand rejected as being obvious over Samuels, in view of Carroll and Ike.

The claims pending in this application have been amended. In the amended claims, an input mechanisms activates a parameter control that includes graphical user-interface elements. Contact is detected on the image screen where the graphical user-interface elements are displayed. In response to detecting the contact, the value of the viewing parameter is adjusted. In claims 1 and 16, the location of the contact determines the new value of the viewing parameter.

The cited references do not teach or suggest features of amended claims 1 and 16. Carroll teaches buttons that can be displayed on the screen in order to control contrast. But the location of the buttons are not taught to determine the value of the contrast, as required by amended claims 1 and 16.

This highlights one difference between the amended claims and cited references. In the context of contrast control, a user in Carroll would only tap buttons more in order to increase or decrease the contrast. The user in Carroll would not coordinate a position of the

contact with the value of the contrast. Under the amended claims 1 and 16, the position of the user-interface feature affects the values of the contrast.

New Claims

Independent claim 32 is new and recites several distinguishable features over the cited references. These features include operating the portable computer in a low power state until the first input mechanism is actuated. Then, the portable computer is switched to a higher power state. A portion of the image screen is used to display a content from a previous use of an application. In addition, continuous contact is detected on the image screen corresponding to where a user-interface element is being displayed. The continuous contact extends between a first location and a second location, where the second location determines the new value for the viewing parameter. The viewing parameter is then adjusted based on the new value designated by the second position of the continuous contact.

To give an example, FIG. 2 shows a graphic slider feature that can be moved left or right to adjust the contrast. This can be done by continuously contacting the slider to move it from a first position to a second position. In FIG. 2, the “address list” corresponds to the application where the content is displayed along with the graphic user-interface elements for adjusting the viewing parameter. FIG. 3 shows a step for turning the portable computer on, and showing content from the application.

With regard to new dependent claims off of claim 1, no new matter is being introduced. Claims 28 and 30 describe uses of the slider, described with FIG. 2. Claim 29 describes another user-interface feature, an example of which is provided by the DONE icon in FIG. 2.

The cited references do not teach or suggest features of claim 32. Furthermore, no new matter is being entered into the application with the addition of these claims. Applicant requests allowance of independent claim 32, and dependent claims 33 and 34.

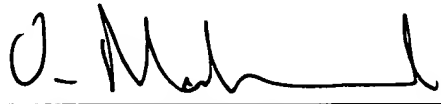
CONCLUSION

For the reasons set forth above, Applicant respectfully submits that all pending claims are patentable over the art of record, including the art cited but not applied. Accordingly, allowance of all claims is hereby respectfully solicited.

Respectfully submitted,

HICKMAN PALERMO TRUONG & BECKER LLP

Dated: 10/3/01

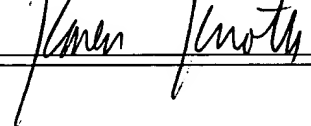

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In the Claims:

Claims 2-5, 7-15, 17-25 and 27 were previously cancelled.

1. (Twice Amended) A method for adjusting levels of a viewing parameter for an image screen disposed on a portable computer, wherein the image screen includes pixels having output levels, the method comprising:

[a processor disposed in the portable computer] receiving an activation signal for viewing a parameter control from a first input mechanism[, **the activation signal corresponds to a single interaction with the first input mechanism**];

[responsive to] in response to receiving the activation signal, **[a program]** displaying one or more graphical user interface elements, **[adapted for viewing]** the user-interface elements forming at least a portion of the parameter control on the image screen;

[the processor receiving an adjustment signal indicating] detecting an interaction between a user and the one or more user-interface elements, the interaction corresponding to an adjustment [from prior values] of the viewing parameter from a prior value to a new value [values of the viewing parameter]; and

[responsive to receiving the adjustment signal, the processor] in response to detecting the interaction, adjusting the **[values]** value of the viewing parameter for the image screen to the new **[values]** value, wherein adjusting comprises,

adjusting image screen drive voltages to adjusted voltages corresponding to the new values, the pixels **[connected]** being receptive to the image screen drive voltages[; **and]** so that the pixel output levels **[responding]** respond to the adjusted voltages by providing an adjusted image;

wherein detecting an interaction between a user and the one or more user-interface elements includes detecting contact on the image screen at a location corresponding to where one of the one or more user-interface elements is being displayed, the location of the contact determining the new value of the viewing parameter.

6. (No Change) The method of claim 1, wherein the image screen includes portions adapted for illumination by groups of pixels including a first portion configured for illumination by a first group of pixels, and wherein the adjusting includes:

maintaining the image screen drive voltages at low levels for one or more of the groups of pixels, and

adjusting the image screen voltages to adjusted voltages corresponding to the new values for the first group of pixels, the first portion covering less than approximately twenty-percent of the image screen, and wherein the method includes the portable computer displaying selected information only on the first portion.

16. (Twice Amended) A portable computer comprising:

an image screen comprising pixels, **[the values of the viewing parameter vary in response to image screen drive voltages, and different groups of the pixels have different image screen drive voltages]** wherein the image screen is adapted to display items of information at levels corresponding to values of a viewing parameter, the values of the viewing parameter vary in response to image screen drive voltages, and different groups of the pixels have different image screen drive voltages;

a first input mechanism **[adapted]** that is actuatable to initiate adjustment of viewing parameter values **[in response to a single interaction with the first input mechanism];**

a processor; and

a memory coupled with the processor to:

respond to **[the single interaction]** actuation of the by displaying at least one graphical user interface element adapted for adjusting the viewing parameter values; and

[respond to inputs] detect contact applied to the image screen at a location where the graphical user interface elements are displayed;

respond to the contact by adjusting the values of the viewing parameter, each of the inputs including at least one of selecting and adjusting at least one of the graphical user interface elements, wherein the values of the viewing parameter are at least partially determined by a location of the contact.

26. (No Change) The portable computer of claim 16, wherein the more than approximately eighty percent of the pixels have a value of the viewing parameter corresponding to a first image screen drive voltage.

28. (New) The method of claim 1, wherein
one of the one or more user-interface elements is a graphically displayed slider,
detecting an interaction between a user and the one or more user-interface
elements includes detecting contact on the image screen at a first location where the
slider is displayed, the first location corresponding to the prior value, and
detecting an interaction between a user and the one or more user-interface
elements includes detecting continuous contact on the image screen from the first
location to a second location after which the slider is displayed at the second location, the
second location corresponding to the new value.

29. (New) The method of claim 28, wherein
in response to receiving the activation signal, displaying one or more graphical
user interface elements includes displaying an icon, and
detecting an interaction between a user and the one or more user-interface
elements includes detecting the user contacting the icon after moving the slider to the
second position; and
wherein the method further comprises accepting the new value of the viewing
parameter for adjusting image screen drive voltages only if the user contacts the icon.

30. (New) The method of claim 28, wherein
in response to receiving the activation signal, displaying one or more graphical
user interface elements includes displaying the slider as being moveable along a bar,
detecting an interaction between a user and the one or more user-interface
elements includes detecting the user contacting the bar either to a left side or right side of
the slider, wherein contact to one of the left side or right side corresponds to the new
value being less than the prior value, and contact to the other of the left side or right side
corresponds to the new value being greater than the prior value.

31. (New) The method of claim 1, wherein detecting contact on the image
screen at a location corresponding to where one of the one or more user-interface

elements is being displayed includes detecting a continuous contact on the image screen from a first position to a second position, where the second position determines the new value of the viewing parameter.

32. (New) A method for adjusting levels of a viewing parameter for an image screen disposed on a portable computer, wherein the image screen includes pixels having output levels, the method comprising:

maintaining the portable computer in a low power state until any one of a plurality of input mechanisms is actuated;

detecting a first input mechanism in the plurality of input mechanisms being actuated;

in response to detecting the first input mechanism being actuated,

switching the computer to an higher power state,

displaying on at least a portion of the image screen a content from a previous use of an application on the portable computer, and

displaying one or more graphic user-interface elements for adjusting a value of a viewing parameter;

detecting continuous contact on the image screen corresponding to where one of the one or more user-interface elements is being displayed, the continuous contact extending between a first location and a second location, the second location of the contact determining a new value for the viewing parameter;

adjusting the value of the viewing parameter for the image screen to the new value by adjusting drive voltages of the image screen to correspond to the new value for the viewing parameter, the pixels being receptive to the image screen drive voltages so that the pixel output levels respond to the adjusted voltages by providing an adjusted image.

33. (New) The method of claim 32, wherein displaying one or more graphic user-interface elements for adjusting a value of a viewing parameter includes displaying a slider that can be moved amongst a plurality of positions, including the first position and the second position.

34. (New) The method of claim 32, displaying on at least a portion of the image screen a content from a previous use of an application on the portable computer

includes displaying a most recently displayed content of the application prior to the portable computer being maintained in the low power state.

35. (New) The method of claim 32, displaying a most recently displayed content of the application prior to the portable computer being in the low power state includes displaying a most recently displayed content prior to the portable computer being maintained in the low power state.